Light Weight-Isochronous Governing

New Honeywell Hydro-Mechanical **Fuel Control**

NOTHER quality engine control joins the A Honeywell line with the introduction of the new Series 40 hydro-mechanical fuel control for gas turbine engines.

The new unit is designed to control fuel flow automatically on turboprop and turbojet engines with a fuel flow of up to 6,000 pounds per hour. It is operational to 60,000 feet with a ram ratio of 1.8.

The Series 40 Control is isochronous governing and features inlet air compensation automatically correcting fuel flow for variations in inlet air temperature and pressure. It is unusually light and compact-under 10 pounds and less than 120 cubic inches. It was designed to be repackaged to fit any envelope.

This exceptional new control is another in a long series of rugged yet precise airborne controls based on the experience and knowhow of the world's largest manufacturer of automatic controls

For complete information on this and other engine controls, write Dept. AW-10-156, at the address below.

Honeywell

Aeronautical Controls

2600 Ridgway Rood, Minneapolis 13, Minn.







B.F.Goodrich

Which tread gives more landings... Dimpled or ribbed?

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You can private a dire by so focus privat. The B.F. Goodstrive code passess on the left green 1945, meet landings before recognition on the entrange, then the ribbed during no the orthogonate code of the code of the code of the B.F. Goodsteld Directle Directle Code, and the code of the B.F. Goodsteld Directle Directle Code of the B.F. Goodsteld Directle Directle Code of the B.F. Goodsteld Directle Code of the B.F. Goodstell Code of the B.F.

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ANATION WEEK + OCTORER 17, 1615 + Vol. 85, No. 16

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MANA GEMENT

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Aircraft Heat Exchangers...

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Both 707s and DC-8s

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AMATION WEEK Out- IZ. 1955

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AVIATION CALENDAR

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ANATION WEEK Grober 12, 1985

WHO'S WHERE

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Honors and Elections Frederick B Lee, CAA administrator

Changes Adm. Brief E. Carer (USN Ecc.).

Dr. Franklin Kingston Moose, charl of of Clasic Virght Acrask Inc. Robert E. Herslett, subheston director of Spirity Cymrispe Co., Dev of Spirit G. D. Mak, project express engines of Also A Ferra, erroral concert of Chades C. Saides, field tales wasness INDUSTRY ORSERVER North Assessme Amation has been recked to hall the cocket personal

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F.Gless L. Martin Co. will won sell me the RSTD with two Posts & Whitney 157 technical emissions the Wright 865 Sanchard Engine pacelles have been coloured to accommodate the most powerful, larger and housest PC. New moreless art well facused of the correct nine

► Freezili SS-10 air to matter manufes are home flight tested as a Daniel ti 315

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▶ Gracol Electric I'9 turboact, shredy scheduled for the Luckheed F-L04 Colons and the Course B-SI recovering baselor is now under country. tren for advanced versions of other contrar seem felices and in Nary anreals. Twis ITV manufaction is home considered for interceptor version of the McDonnell F-111 Vondon regions the two HTs now being used ► Greeni Mills for reposited its "Skylook" plants: balloon business (AW

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Washington Roundup —

USAF Policy Speeches of peace tells, or at will find study with an suicens . General Thomas D. White, Voy Chief of Stoff in

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Defense Contractors

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Airfields Down Under

AVIATION WEEK

USAF Will Give Industry Secret Plans

ARDC will furnish firms advance technical data

in effort to speed weapon system developments. Acather firm is welface to boald a labonton if USAF will then the openarag expense and stone th scoret, Guid-

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ADC Interceptors Being Fitted With Falcon Air-to-Air Missiles

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Hughes Stepping Up

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AVAILABLE WEEK, DONNEY TX, 1955

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USAF Orders F-104As groud his work at Loothest Assembly

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Defense Dept. Top Contractor List

'Misleading,' Sen. Johnson Charges

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100 LARGEST DEFENSE CONTRACTORS This is the flet of communics with the lowest volume of military fundament evenued by the Sounds Proposedness Investigating Subcommittee.

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NBAA May Finance Development From Discussions Of Modern Executive Transport

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Industry Interest

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Company officials and they now have not Source, Ir. Source Electric Co.

GOVERNMENT PRODUCTS DIVISION

less as aucross maked with John Prof. Tower on the chandering, blood-souled At Rheces, we, too, are proud of the reliability of our men and enveloped and the annuable record of low per user cost and on-time completion Grymaness and sub-commerce to other solution leaders.

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ANATION WEEK, Genter 17, 1955







Year mechanical application which

Federal Contractor Policy Scored Windstates. The Defence Depart. • It is fewed that the effect of the di-

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F-102As at Palmdale 200 Highway No. 17, Parentes, M.A.

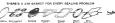


Johns-Manville Goetze Gaskets maintain a tight seal in pneumatic duct system

Tens critical scaling problem was solved for Bostne with a special rusket, designed and segineered by J-M Goerae Grakes exchairman. rechescions are proving Goette metal garkets' shifter on mean those exacts on demands. Every dee more designers are sarning to Johns-Many De for help in their scaling problems. For more than 60 years, Gorge has recovered they will comoundesien something new, miler-

Were roday for further information on Johnsfor system Ask for Brochure AV-1A, Address In Canada, Port Credit, Optorio-

THERE'S A J-M GASKET FOR EVERY SEALING PROBLEM





Johns-Manville PRODUCTS FOR THE

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Power Packed Crusader!

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WEST COAST OFFICE, SALE WESTER BAYO, LOS AMORES, GAL



vacuum-melted metals for "hotter" engines...

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THE PERFORMANCE OF CONVEN TIONAL ASSEMBLIED ALLOYS RESULT PURER METALS WITH EXCEPTIONAL TRANSVERSE LINEURANCE LINE Vectare Metals Corporation, pioneer in the and cast allient in producing these union new

VACUUM METALS CORPORATION Jointly remaid by Craobin Steel Company of America and National Econoch Computing

Hawaii Airline Studies Fokker Turboprop

Torse Profes Authors Houses David A Bent, TPA executive vice said to be available to speciation in

Officials of Konseys his Lover Inc.

Skymotive to Open New Service Terminal

A new bacress should counties:

HY"/1* fuel booster pumps a product of

HOT AIR VALVES . Astrol BURBANE CALIFORNIA - Assistion Subsidiary of CHANE CO.



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ston stancer at warr state-cute. rall Hoden Aire right now The performence of our HY-V/L* Fael Rooster Parco is as predictable as acre at that'll call the clouds out of that crystal ball needs. And that has already been done by such "





More room in the sky

TACAN

revolutionary III development ...providing multiple airlanes instead of one!

This productable events can virtually make the sky as much as "ten func- wider," Now purellel all-weather arkines can be marked ade by side, only a few miles apart, set more meet, This can now be accomplished through a computer which derives its trace to a known ground station and determines bearing with prepaint Thus, in heavily-traveled areas, unabsole and accurate routes can he provided for anywait to By sifely and effectedly, manufacture heavy traffic schedules in adverse weather. Tagger is the result of a series of development programs soonservices the L. S. Navy and the U.S. Air Force at Federal Telecomsurjection Laboratories, a decision of ITaT. Federal Telephore, and









design and development of dependable pressure regulating instruments

ALAR PRODUCTS . INC. 1071 POWER AVENUE - CLEVELAND 14 ONEO

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Proposed Mail Rates

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For Complete Details



ANATIGM WEEK, Gassier 17, 1903



New Plan Devised by USAF Pilots Accelerates Atomic-War Training Dodeskoff, fraction with both Nova

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12th ANNUAL DISPLAY

ELECTRICAL

AIRCRAFT ELECTRICAL EQUIPMENT PAN PACIFIC AUDITORIUM LOS ANGELES

October 27: 6.00 p.m. thru 11.00 p.m. Show Hours: October 28: 12:00 noon thru 10:00 n.m.

The Agreet's Electrical Security Enhibition in the only one of its kind, and coters exclumuch on a Managed hours to the more of makings electrical community and to other The year the A.F.S. Dondoy will once following the choose of the 1955 Technical

Continues on Aircraft Electrical Applications measured by the ALEC-Los

Day 10 000 Femineers will attend this Display The case was 900 Notices | Manufacturer will divide their resident resums from

monotorized components to complete extress generating systems effects the experiments to expensive and company the newest responsed designs and systems

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MANUPACTURING COMPANY

AIRCRAFT DIVISION BATTLE CREEK, MICHIGAN

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6 M GIANNINI & CO. INC. PASADENA I GALIFORNIA

AERONAUTICAL ENGINEERING





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Performance vs. Tradition:

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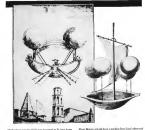
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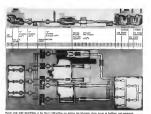
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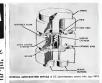
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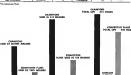




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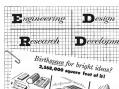
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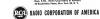
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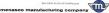
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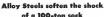
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| Abaku | 9,567 | 11,396 | 7011 | 35,719 | | 417,991 | 1,575,265 | 6017 |
| Atlantic | 99,417 | 121,213 | 55.12 | 100,105 | | 1,457 691 | 14,904,760 | 64 56 |
| Lete America | 100,671 | 94,313 | 70.64 | 295,173 | | 2,499,399 | 11,736-609 | 64.21 |
| Public | 99,010 | 69,390 | 76.70 | U031,866 | | 985,579 | 9,105,405 | 73.80 |
| Fan American-Chara Acresys Lone World Abilion | 11,650 87,449 | 14,544 71,890 | 50 46 70 81 | 35,575 709,683 | | 195,611 | 1,713,130 | 53 40 |
| | 10,000 | 1000 | | 100000 | | OUT JOUR | e areas | |
| Affective Autom | 12.458 | 6.005 | 40.51 | 2 891 | 12.001 | | 400,433 | 10.40 |
| Benancy Ala Lines | 90,500 | 0.000 | 40.11 | 3,194 | | 4781 | 991,993 | 43 73 |
| Corted Aldina | 90,590 | 1,000 | 93.63 | 3,713 | 1,001 | 4,081 | 191471 | 22.50 |
| Frente Artena | 10,000 | 4,710 | 3933 | 15,072 | 5,600 | 18,617 | 133,473 | |
| Late Central Alabora | 10,330 | 1.799 | 24 60 | 3.311 | 12,699 | | 118,779 | 22 62 |
| | ER 105 | 2,639 | 24.52 | 7,617 | 15,110 | | | |
| | 32,147 | | | 18,051 | | 15,634 | | |
| | | | | | 12,589 | | | |
| | | | | | | | | |
| | | | | | | | | |
| West Coud Ablican | 21,584 | 3,802 | 51 66 | 4,010 | 2,190 | 7,086 | 257,005 | 51 53 |
| HAWAIIAN CARRIERS | | | | | | | | |
| | | | | | | | | |
| Tone Pacific Assistan | 83,332 | 3,213 | 44.51 | 958 | 36 | 12,911 | 139,090 | 3.13 |
| CARDO LINIS | | | | | | | | |
| America Sod Americana | | | | | | 531.077 | 331,019 | 47 44 |
| | | | | | | | | |
| Shift Alvern | 1,550 | 0411 | 26.22 | 31 607 | | 5,314,730 | 5,801,437 | |
| Relate Artism | 1,500 | 0411 | 10.54 | 204 | | 952,581 | 959,854 | 86 56 |
| HELICOPTER SERVICE | | | | | | | | |
| N. Y. Altern | 9,680 | - 9 | 55.00 | 1.656 | 1208 | 612 | 7.455 | 56.67 |
| Les Annales Adminis | 027 | 20 | 22.10 | 4,757 | 1,653 | | | |
| Hallangto At Server (Chicaco) | | | | | | | | |
| | | | | | | | | |

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Complete for AVIATION WEEK from widow quarter to Cred departments found

AVERTION WEEK, CANNOT IT, 1815



Safety With Sense

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Some of the factors survive a cretain's for other communici heatstoor working right, or the vibility recessory clear washingled in the manual strates-tubeless, or (c) The susser obselve, er, shoors with

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Engineers!Join this

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FED "SKYRAY" Guly carrier place in held sectify speed count

C-IN "GLOBEMASTER" Services.

NIME Supermain missin relevant to protect our collect "SKYROCKET" Fire woden to for total the speed of sound

حصدة A30 "SKYWARRIOR" Lorpes corvindend hinder

ASD " SKYHAWK" Souther. spine out plant warms

-B-46 Speeds, prostdy on business With its similares headeries stene) and cargo transports alles, Douglas offers the sari-

and Long Secret, Coldernie, dietstone and the Tisles, Oklahous, distinct, we're today for DOUGLAS AMORAGE COMPANY, IN-C. C. LeVene, Envelopment May Engineering General Office 2000 Owes Park Blod Sanza Monice, Californi

TACTICAL PROBLEM: To design and build a set bumber able to appear from the smollest World War II "ieen" corriers.

PRACTICAL REPLY: 100 hee

The DOUGLAS A4D Skyhawk

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The Cornellus Model 130 compressor® is the heart of the complete

Cornellus "peckoped" pneumetic system which includes inlet gir filter. stertion relay, radio noise filter, maisture separator with automatic condensate form and heating element, back pressure velve, check velve, rollef velve end presure switch. Comment Design Seven Sonce-Entry six purply protons consider unity eligibility some

many than compensor slope to consuming a supply Wright Sevings of 5 pounds or more are possible by eliminating separate system com-position, secretarily belong, Siftner and face connections. System Leatena is Reduced to a parameter because interretion of components reserves ministrate tendence sources such as flare respectives and ourser analyt fifteen System Editability is Assembly become each returned responsed to Assembly reportedly to give aptenum performance in combination with the other companyons

Time Seved by installation and servicing of one unit is mother valuable builds which out? Corneline "markered" measurable contents offer. The Cornelin "northwest" remarks restore an evaluate with either DC AC or ha-

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EDITORIAL

Every Five Seconds

Every fire seconds day or corbit on average is takenoff for a revokely scheduled field convenient in the national Civil Aviation Organization provides a describe.

The scheduled sixtings of the world are new earning War II also 2) tisses so twich come and a thirtee-fold become in mint. About \$5% of current model siding torfic is easied by the 74 unless flowe males 40 A4. Wildorf Astron Hotel in New York under the unity desey of host T. Trippe, a monter of international

Delayed Honor

IATA embases all lends of referent from state-stalling part sick is Pro America. BOAC and Air France trees. The Communist Cerchoslovek Arriver (CSA) is a bus Trippe's prendency and New York's playing heat elected penalent of IATA's present producence, the International Ast Traffic Conference, at 1939, and New York was scheduled to the named meeting after for the Actually that is the second time post-way [ATA seneral exections have been held in the United States. Suc-

IATA can look back on a decade of solid achievement since its fact post-way meeting in Harana. Perhaps the meet servicent is the fact that these national day can ners have valuetarily spus their mates into an international network that public on an art tweller or shapes; to arrease a trap or corps shapenent to new of the \$100. ction on the on totapert gree with a made richer IAVA activities arrabe as codiest encore of network around the riobe. The suculted "court of Connect" perceived on its comments long bedoor at because a popular Although international or traffe a increasing structure mey. As Sir William Hildred, director repeal of IATA, gas ort problem for beelthy consense growth of the art The air traffic control problem, already acute in the United States, also is an international problem. Unless

Airline Problems

the individual governments face up to their remounbility in providing adequate payoration and traffic control technically improved protections affects about in tion of new taxes such as uses changes for arrests

Enture Grandh

Forest mostly of interestional six traffic his clearly in . Continued expansion of the tourist fast. Nearly 70% of the 1956 second total of 550,000 North Atlertic artravellers flew an low-cost towest service and their yelome exceeded by 50,000 personners for total North Atlantic traffic of only four years maker. The reports traffic excepts in the immediate feture. · Establishment of efficient international air camp spylos.

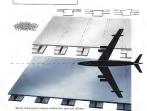
of growth in the suspeclate fector but a long term potential for in excess of populse passeurer traffic ex-In its logg field to gathe swife enterestional trend

people and goods, IATA and its receiber sidings are moken an enormous practical contribution to the cause

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Harvey extrusions... simpler, smoother parts for better

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